**Formative assessment:** **ANALYSIS of 10.5 9/3 n =**

**Question 1:**

Draw the reflection as it would appear in the mirror.

|  |  |
| --- | --- |
| **F correctly inverted**  F |  |
| **Reflection in mirror** |  |
| **reflection in correct position behind mirror** |  |

**Question 2:**

Can person A see person B?

**B**

**Yes:**

**No:**

**A**

Explain your answer:

**Question 3:**

List the colours of the spectrum:

|  |  |
| --- | --- |
| **All correct** |  |
| **1 – 2 omissions** |  |
| **Non-spectrum colours added in** |  |

**Question 4:**

(a)Why are plants green?

**Physics answer attempted but incorrect**

**Valid biological answer given only**

**Because green light is reflected**

**Because all colours apart from green are absorbed**

(b) Explain why a lump of coal appears black.

**Because no light/colour is reflected**

**Because all light/colour is absorbed**

**Question 5:**

The nearest star to the Sun is 4.3 light years away. Explain what this means:

**The time it takes for light to travel from there to the Sun is 4.3 years**

**Attempted answer but incomplete or incomprehensible**

**Activity – bouncing balls**

Draw lines to show where the ball bounces in each example below:

(a)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(c)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Drawings messy**

**Drawings acceptably tidy**